| Index of Claims |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                 |  |  |  |  |  |  |  |  |  |  |  |  |  |

Rejected

Allowed

| Application No | ر. |
|----------------|----|

09/986,467

Examiner

Applicant(s)

LAWSON ET AL.

Art Unit

2858

Vincent Q Nguyen

(Through numeral) Cancelled

Appeal

Restricted

Interference

Non-Elected

0 Objected

| Cla            | aim      | n Date         |              |          |           |          | 1::::           | Claim Date  |               |       |             |          |  |                | الله             | CI                | aim  | Date   |         |             |          |          |               |                    |  |                  |          |          |               |
|----------------|----------|----------------|--------------|----------|-----------|----------|-----------------|-------------|---------------|-------|-------------|----------|--|----------------|------------------|-------------------|--|--|---------|-------------|----------|----------|---------------|--------------------|--|------------------|----------|----------|---------------|
|                |          |                |              |          |           |          | 1               | <del></del> |               |       | Date Date   |          |  |                |                  | <u></u> -         |  | $\vdash$   | Т       | T           | Ť        | Ť        |               |                    | _  |                  |          |          |               |
| Final          | Original |                | 4/3/04       |          |           |          |                 |             |               |       | Final       | Original |  | į              |                  |                   |  |  |         | Final       | Original |          |               |                    |  |                  |          |          |               |
| 1              | 1        | $\dashv$       | =            | +        | $\dashv$  | -        | -+              | $\dashv$    | +             |       | _           | 51       | $\vdash$   | +              | +                | ╁╌╁               |  | $\vdash$   | -       |             | 101      | $\vdash$ | $\dashv$      | +                  | +  | +                | $\vdash$ |          | -             |
| 2              | 2        | $\rightarrow$  | =            | -        | 7         | _        |                 | $\dashv$    | $\dashv$      |       |             | 52       | $\vdash$   |                | +-               | $\vdash$          | _  |  | -       | $\vdash$    | 102      |          | $\dashv$      | -†-                | +  | +-               | П        |          | Г             |
| 3              | 3        |                | =            | 十        | $\dashv$  | $\dashv$ | $\dashv$        | -           |               |       | <del></del> | 53       | Н  | $\dashv$       | +                | +                 |  |  | -       | <u> </u>    | 103      |          | 1             | $^{+}$             | +  | +                | 1        |          | $\overline{}$ |
| 4              | 4        | $\dashv$       | =            | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$        | +           | $\dashv$      | ł     |             | 54       | $\vdash$   | +              | +-               | $\vdash$          | ╁  |  | -       |             | 104      | Н        | $\dashv$      | ╁                  | +  | +-               | H        |          | <del></del>   |
| 5              | 5        | -+             | ╗            | -        | $\dashv$  | $\dashv$ | $\dashv$        | -+          |               |       |             | 55       | $\vdash$   | _              | +                | +                 | +  | -  | -       |             | 105      |          | $\dashv$      | 十                  | +  | +                | H        |          | _             |
| 6              | 6        | $\dashv$       | =            | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$        | $\dashv$    |               | ł     |             | 56       | $\vdash$   | <del></del>    | +                | 1 1               |  | <del>   -</del>                                  | -       |             | 106      | $\vdash$ | -             | +                  | +  | +                | H        |          | $\overline{}$ |
| 7              | 7        | -              | =            | $\dashv$ | 十         | $\dashv$ | $\dashv$        | -+          | +             | l III |             | 57       | $\vdash$   | $\dashv$       |                  | ╁╌┼               |  |  | -       |             | 107      |          | _             | +                  | +  | +-               | $\Box$   |          | _             |
| 8              | 8        | $\dashv$       | =            | 十        |           | _        | _               | $\dashv$    | +             |       | <u> </u>    | 58       | Н  | $\dashv$       | ╅                | +                 | _  | $\vdash$   | -       | $\vdash$    | 108      |          | $\dashv$      | +                  | +  | +                | H        |          | <u> </u>      |
| 9              | 9        | -              | =            | $\dashv$ | 寸         | $\dashv$ | $\dashv$        | $\dashv$    |               | 1     |             | 59       | $\vdash$   | $\dashv$       | $\top$           | $\dagger$         | -  | -  | -       | <del></del> | 109      |          | $\top$        | +                  | ╅  | +                | H        |          | <u> </u>      |
| 10             | 10       | $\dashv$       | =            | $\dashv$ | 十         | $\dashv$ | 十               | -+          | ╁             |       |             | 60       | H  | <del>-</del> F | ╁                | $\vdash$          | _  | 1-1-   | -       | <del></del> | 110      |          | $\neg +$      | +                  | $^{+}$   | +                | 1        |          | $\overline{}$ |
| 11             | 11       | $\vdash$       | =            | $\dashv$ | _         | $\dashv$ | -+              |             | +             |       | <u> </u>    | 61       | $\vdash$   | $\dashv$       | +                | +                 | _  |  | -       |             | 111      |          | -             | +                  | ╈  | +                |          |          | $\overline{}$ |
| 12             | 12       | $\dashv$       | ⇉            | 十        | -         | +        | $\dashv$        | -+          | +             |       | <u> </u>    | 62       | $\vdash$   | $\dashv$       | +                | † †               | +  | +  | 1       | <u> </u>    | 112      | $\vdash$ | -             | +                  | +  | $\top$           | Н        | $\vdash$ | Г             |
| 13             | 13       | <del>   </del> | ╗            | 十        | 7         | $\dashv$ | $\dashv$        | $\dashv$    |               | 1:::: |             | 63       | $\vdash$   | $\dashv$       | +                | 1 1               | _  | $\vdash$   | -       | <b></b>     | 113      | $\vdash$ | $\dashv$      | +                  | +  | $\top$           | Н        | $\Box$   | $\overline{}$ |
| 14             | 14       |                | =            | $\dashv$ | 7         | $\dashv$ | $\dashv$        | _           |               | 1     | <b></b>     | 64       | $\vdash \vdash$                                  |                | +-               | $\dagger \dagger$ | +  | <del>                                     </del> |         | <u> </u>    | 114      |          | $\dashv$      | +                  | +  | +                | П        |          | _             |
| 15             | 15       | $\rightarrow$  | =            | $\dashv$ | 7         | $\dashv$ | $\dashv$        | $\dashv$    | +             |       | <del></del> | 65       | $\forall$  | $\dashv$       | +                | + +               | +  | $\vdash$   |         | _           | 115      |          | $\dashv$      | +                  | +  | T                | $\Box$   |          | $\overline{}$ |
| 16             | 16       |                | ┰┼           | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$        | _           |               | 1     | <b></b>     | 66       | H  | $\dashv$       | $\top$           | $\vdash$          | $\top$   |  |         |             | 116      |          | $\dashv$      | $^{+}$             | ╅  | $\top$           |          |          | _             |
| 17             | 17       | _              | =            | $\dashv$ | 寸         | 7        | ╅               |             |               |       |             | 67       | 1  | _              |                  | T                 | _  | 1  | -       |             | 117      |          | $\dashv$      | +                  | +  | +                | $\vdash$ |          | $\overline{}$ |
| 18             | 18       |                | = †          | $\dashv$ | 寸         | $\dashv$ | $\dashv$        | $\dashv$    | +             |       |             | 68       | $\vdash$   | $\dashv$       | +                | $\Box$            |  | <del>                                     </del> |         |             | 118      |          | +             | +                  | +  | +-               | H        |          | _             |
| 19             | 19       | $\rightarrow$  | ╗            | $\dashv$ | $\dashv$  | -        | $\dashv$        | 十           | $\dashv$      |       |             | 69       | $\vdash$   | _              | +                | 1                 |  | $\vdash$   | -       |             | 119      |          | $\dashv$      | +                  | +  | $^{+}$           |          |          | $\overline{}$ |
| 20             | 20       | $\rightarrow$  | =            | $\dashv$ | 寸         | 7        | _               | $\dashv$    | -             |       |             | 70       | $\vdash$   |                | +                | +                 |  | ╅  |         |             | 120      |          | _             | +                  | $^{+}$   | +                | H        |          | <u> </u>      |
| 21             | 21       | $\rightarrow$  | =            | $\dashv$ | ┪         | $\dashv$ | $\dashv$        | $\dashv$    |               | liii  |             | 71       | $\vdash$   | $\dashv$       | +                | $\Box$            | +  | ╁  | -       |             | 121      |          | $\top$        | ╅                  | +  | ✝                |          |          | П             |
| <del>-</del> - | 22       | $\dashv$       | $\dashv$     | $\dashv$ | ┪         | $\dashv$ | $\dashv$        | 十           |               | 1:::  |             | 72       | <del>                                     </del> |                | +                | t                 | _  |  |         |             | 122      |          | $\dashv$      | 十                  | +  | +                |          |          | Г             |
|                | 23       | $\dashv$       | $\dashv$     | $\dashv$ | $\dashv$  | $\neg$   | $\neg +$        | +           | $\top$        |       |             | 73       |  | $\dashv$       | 1                |                   |  | $\vdash$   |         |             | 123      |          | _             | +                  | 十  | T                |          |          | ī             |
|                | 24       | $\dashv$       | $\dashv$     | $\dashv$ | 寸         | $\neg$   | 十               | 十           | $\top$        |       | _           | 74       | $\Box$   | $\dashv$       | $\top$           | +                 |  |  | - [:::: |             | 124      |          | $\dashv$      | $\top$             | $\top$   | 1                |          |          | $\vdash$      |
| $\vdash$       | 25       | $\neg \dagger$ | 十            | _        | $\neg$    | $\dashv$ | ╅               | _           | $\top$        |       | <u> </u>    | 75       | H  |                |                  | T                 | 1  |  |         |             | 125      |          |               | 1                  | T  | 1                |          |          | ī             |
|                | 26       |                | 7            | 寸        | 寸         | $\dashv$ | 7               | 寸           | $\dashv$      |       | -           | 76       | $\Box$   |                |                  | T                 | 1  |  |         |             | 126      |          |               | ╅                  | $\top$   | $^{\dagger}$     |          |          |               |
|                | 27       |                | $\dashv$     | 寸        | 寸         | _        | _               | $\dashv$    | $\top$        | 1     |             | 77       | H  | $\dashv$       | $\top$           | t-t               | _  |  | -       |             | 127      |          | 1             | +                  | 十  | $\top$           |          |          |               |
|                | 28       |                | 十            | 十        | _         | _        | $\neg \uparrow$ | _           |               | 1     |             | 78       | $\Box$   | $\neg$         | 1                | 1=1               | <del> </del>   | T  | -       |             | 128      |          | 1             | Ť                  | 十  | +                | H        |          |               |
|                | 29       | _              | 十            | 7        | 寸         | 寸        | $\neg$          | $\dashv$    | $\top$        |       |             | 79       |  |                | 1                | 177               |  | Ħ  | 7::::   |             | 129      |          |               | +                  | 十  | 1                | П        |          | $\overline{}$ |
|                | 30       | $\neg$         | 一            | $\dashv$ | _         |          |                 |             |               |       |             | 80       | П  | _              |                  | $\Box$            | $\neg$   |  |         |             | 130      |          | $\neg$        | ┪                  | ╅  | $\top$           | П        |          | $\overline{}$ |
|                | 31       | $\neg$         | 一            | _        | 寸         | $\neg$   | $\neg \dagger$  | $\neg$      | $\top$        |       |             | 81       | $\Box$   |                | 1                | 11                |  |  |         |             | 131      |          | $\neg$        | T                  | T  |                  | П        |          | $\overline{}$ |
|                | 32       |                | 十            | 寸        | T         | T        | 7               | 1           | $\top$        |       |             | 82       | П  |                | 1                |                   |  |  |         |             | 132      | $\Box$   | $\neg$        | $\top$             | ┪  |                  | П        |          | $\overline{}$ |
|                | 33       |                | 寸            | T        | T         |          | T               | T           |               | 1     |             | 83       |  |                | $\top$           |                   |  |  |         |             | 133      |          | $\neg$        | 1                  |  |                  |          |          |               |
|                | 34       | $\dashv$       |              | 1        | T         | 一        | $\neg$          | $\dashv$    | $\neg \vdash$ | 1:::: |             | 84       | П  |                | $\top$           | $\Box$            |  |  |         |             | 134      |          |               | $\top$             | T  |                  |          |          |               |
|                | 35       | $\Box$         | $\neg$       | $\dashv$ | $\exists$ | $\neg$   |                 | $\neg$      |               | 1     |             | 85       |  |                |                  | $\Box$            |  |  |         |             | 135      |          |               |                    |  |                  |          |          |               |
|                | 36       |                | $\neg$       |          | T         |          |                 |             |               | ]     |             | 86       |  |                |                  |                   |  |  | ]       |             | 136      |          |               |                    | ]  |                  |          |          |               |
|                | 37       |                | $\Box$ T     |          |           |          |                 |             |               | ]     |             | 87       |  |                | $oxed{oxed}$     | $\Box$            |  |  |         |             | 137      |          | $\Box \Gamma$ | I                  | I  | Ι                |          |          |               |
|                | 38       |                |              |          |           |          |                 |             |               |       |             | 88       |  |                |                  |                   |  |  |         |             | 138      |          | $\Box$        | I                  | Ι  | Ι                |          |          |               |
|                | 39       |                |              |          |           |          |                 |             |               | ]     |             | 89       |  |                | $\perp$          |                   |  |  |         |             | 139      |          | $\Box$        | I                  | Т  | Ι                |          |          |               |
|                | 40       |                | 丁            |          |           |          | 丁               | $\Box$      |               |       |             | 90       |  |                |                  |                   |  |  |         |             | 140      |          | $\Box$        | I                  | Ι  |                  |          |          |               |
|                | 41       |                | T            | T        |           | 丁        | 丁               |             |               |       |             | 91       | П  |                |                  |                   |  |  |         |             | 141      |          |               | T                  |  |                  |          |          |               |
|                | 42       |                | _1           |          | J         |          | $\Box$          |             |               |       |             | 92       |  |                |                  |                   |  |  |         |             | 142      |          | $\Box \Gamma$ |                    | I  | I                |          |          |               |
|                | 43       |                | $\Box$ T     |          |           |          |                 |             |               |       |             | 93       |  |                | $\perp$          | $\Box$            |  | $\Box \Box$                                      |         |             | 143      |          | $\Box \Gamma$ | ┚                  |  | $\mathbf{I}^{-}$ |          |          |               |
|                | 44       |                |              |          |           | $\Box$   | $\Box$          |             |               |       |             | 94       |  |                | $\mathbf{I}^{-}$ |                   | $oldsymbol{oldsymbol{\Box}}$   |  |         |             | 144      |          |               |                    | $oldsymbol{\mathbb{T}}$  | Ι                |          |          |               |
|                | 45       |                |              |          |           |          | $\Box \dagger$  |             |               |       | Ĺ           | 95       |  |                |                  |                   | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |  |         |             | 145      |          |               |                    |  |                  |          |          |               |
|                | 46       |                | J            |          |           | ╛        | J               | J           |               |       |             | 96       |  |                |                  |                   |  |  |         |             | 146      |          | $\Box$        | $oxed{\Box}$       | Ι  |                  |          |          |               |
|                | 47       |                | ⇉            |          |           |          | $\Box$          |             |               |       |             | 97       |  |                | m f I            |                   |  |  |         |             | 147      |          | $oxed{\Box}$  | I                  | $oldsymbol{ol}}}}}}}}}}}}}}$ |                  |          |          |               |
|                | 48       |                | $\Box$       |          |           |          |                 |             |               |       |             | 98       |  |                |                  |                   |  |  |         |             | 148      |          |               | $oxed{\mathbb{I}}$ |  |                  |          |          |               |
|                | 49       |                | $oxed{oxed}$ |          | $\Box$    |          |                 |             |               |       |             | 99       |  |                |                  | $\Box$            |  |  |         |             | 149      |          |               | $oldsymbol{\perp}$ |  |                  | $\Box$   |          |               |
|                | 50       |                | T            |          |           |          |                 | T           |               |       |             | 100      |  |                |                  |                   |  | ΙΙ.  |         |             | 150      | <u>_</u> |               |                    |  | L                |          |          |               |